

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032162.D
 Acq On : 28 Aug 2025 15:52
 Operator : SY/MD
 Sample : Q2973-01
 Misc : 5.07g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-082825

Quant Time: Aug 29 01:21:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

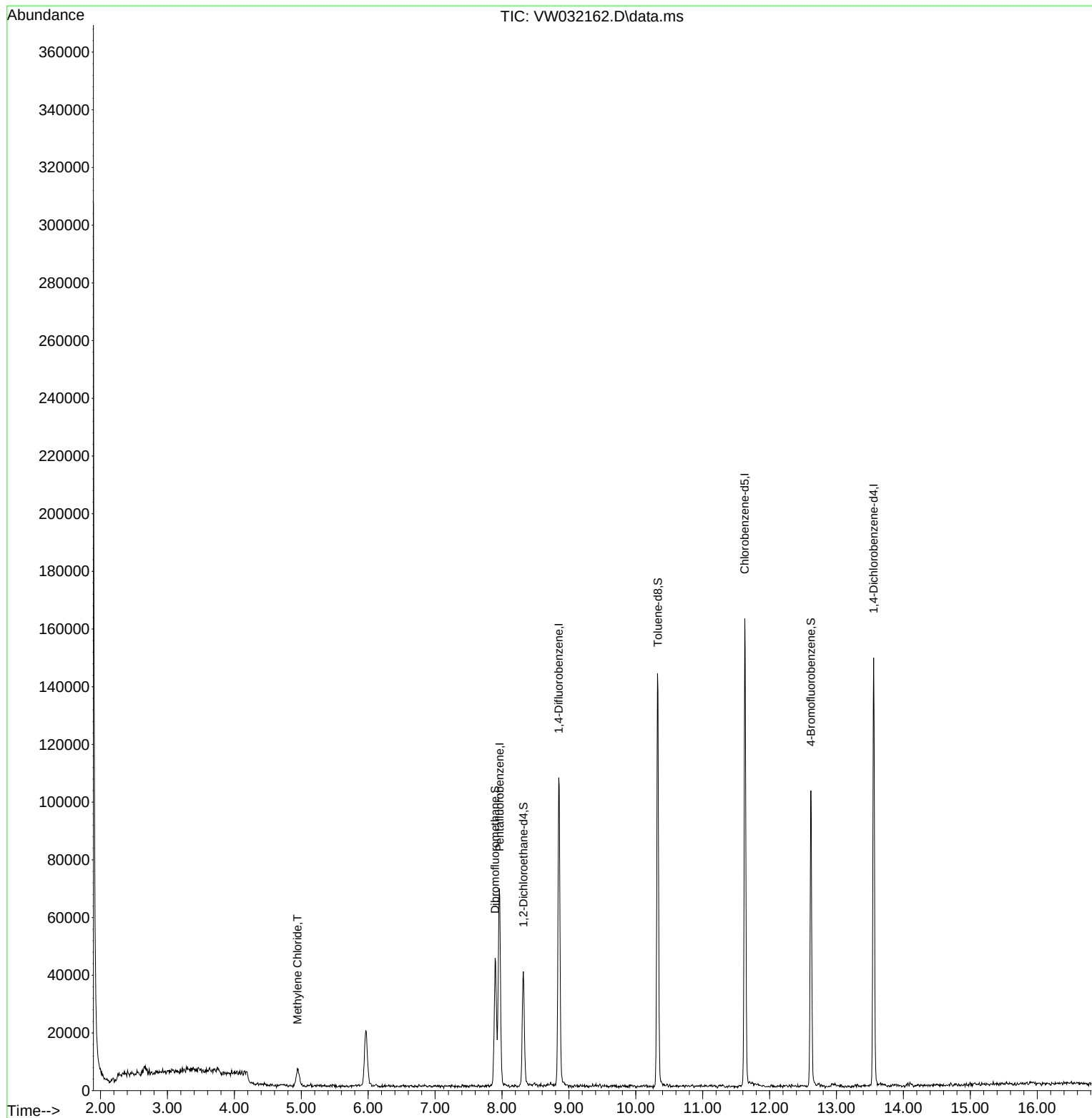
Internal Standards						
1) Pentafluorobenzene	7.965	168	47281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	88813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	84073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	37826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	32965	48.752	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.500%
35) Dibromofluoromethane	7.898	113	30431	48.838	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.680%
50) Toluene-d8	10.331	98	94212	43.070	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.140%
62) 4-Bromofluorobenzene	12.617	95	32950	40.736	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	81.480%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.941	84	4937	4.742	ug/l	90

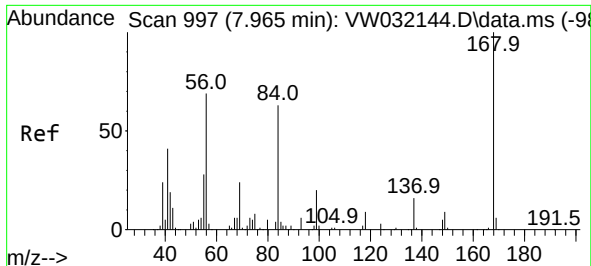
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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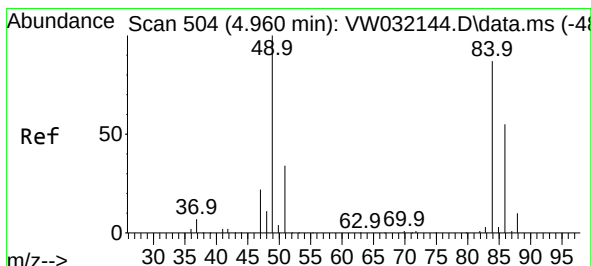
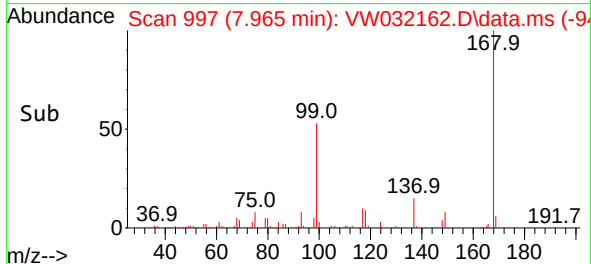
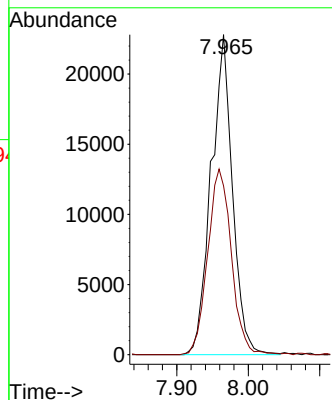
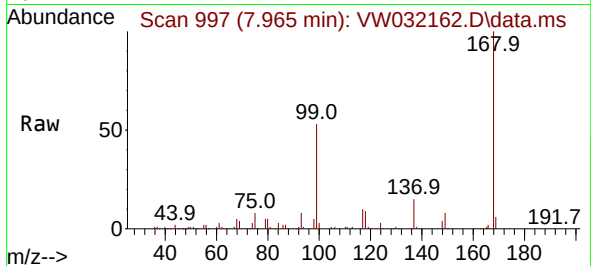




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 15:52

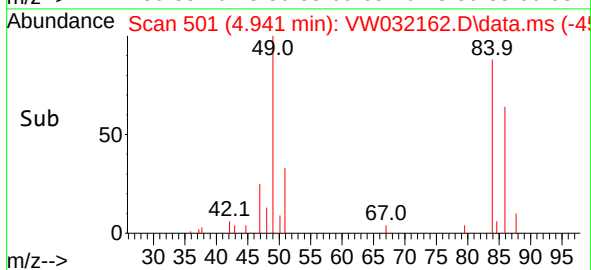
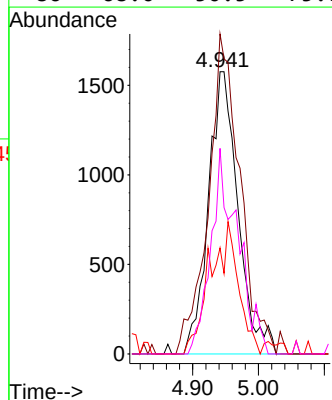
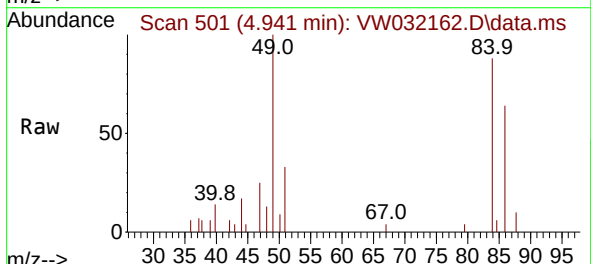
Instrument :
MSVOA_W
ClientSampleId :
OK-01-082825

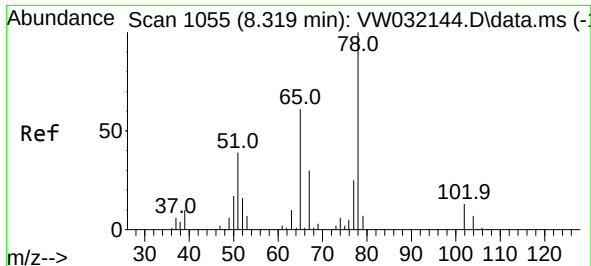
Tgt Ion:168 Resp: 47281
Ion Ratio Lower Upper
168 100
99 52.7 49.3 73.9



#20
Methylene Chloride
Concen: 4.742 ug/l
RT: 4.941 min Scan# 501
Delta R.T. -0.019 min
Lab File: VW032162.D
Acq: 28 Aug 2025 15:52

Tgt Ion: 84 Resp: 4937
Ion Ratio Lower Upper
84 100
49 101.5 92.2 138.4
51 35.1 31.0 46.6
86 68.0 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 48.752 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032162.D

Acq: 28 Aug 2025 15:52

Instrument :

MSVOA_W

ClientSampleId :

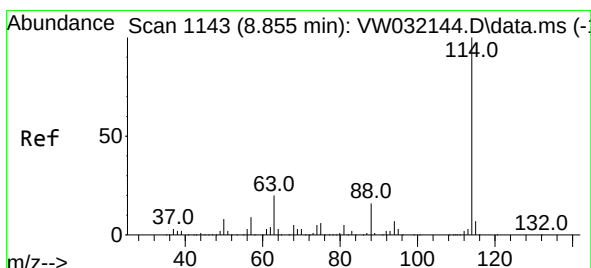
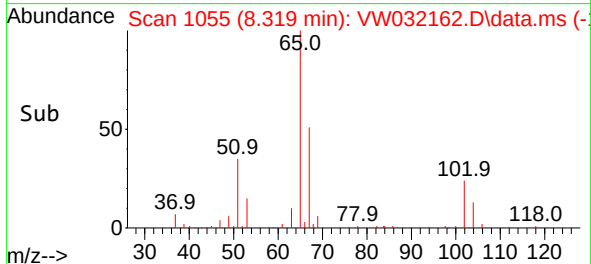
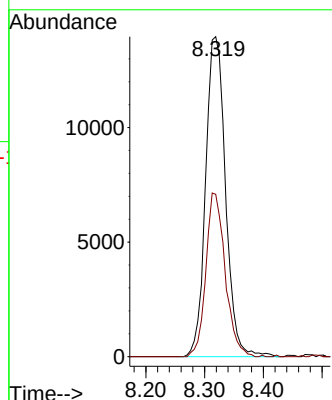
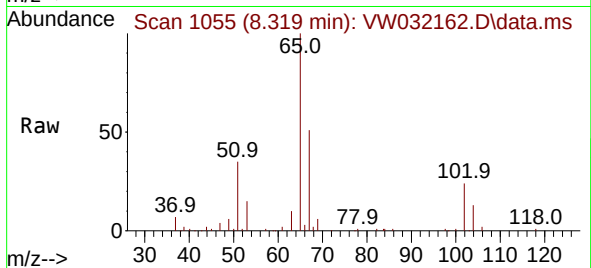
OK-01-082825

Tgt Ion: 65 Resp: 32965

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032162.D

Acq: 28 Aug 2025 15:52

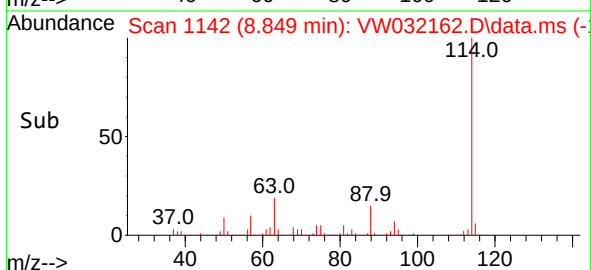
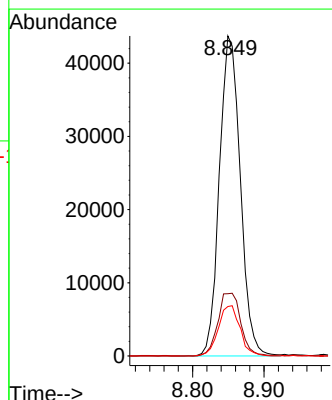
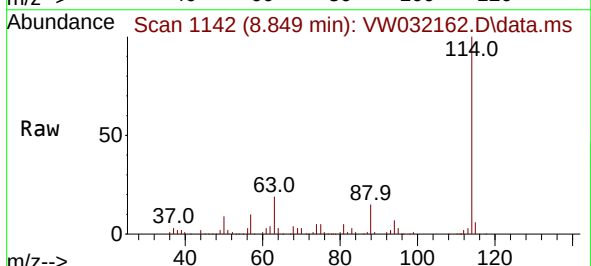
Tgt Ion: 114 Resp: 88813

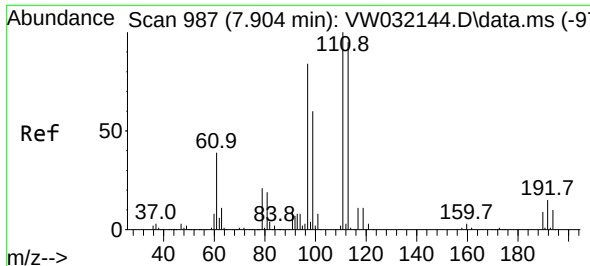
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 15.5 0.0 32.0



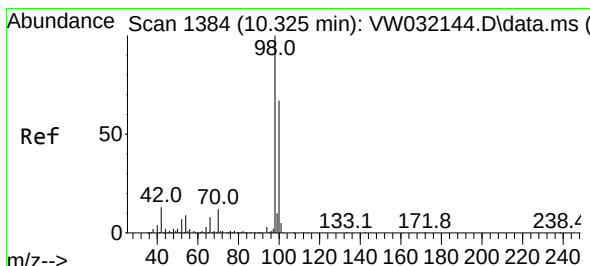
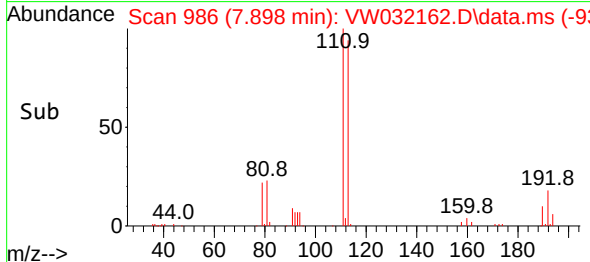
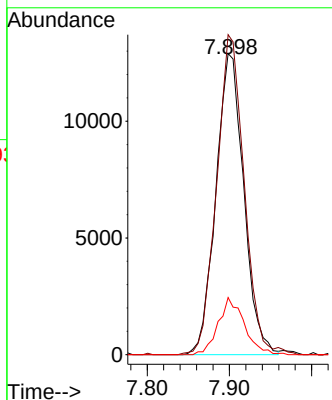
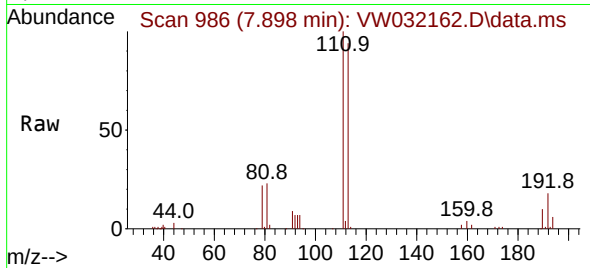


#35
 Dibromofluoromethane
 Concen: 48.838 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032162.D
 Acq: 28 Aug 2025 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-082825

Tgt Ion:113 Resp: 30431

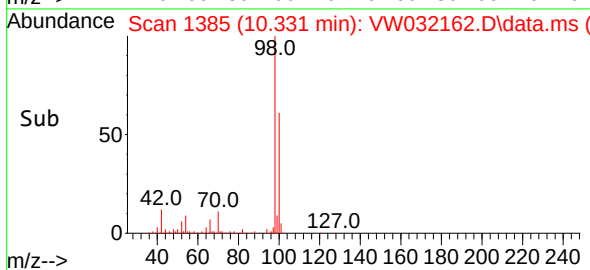
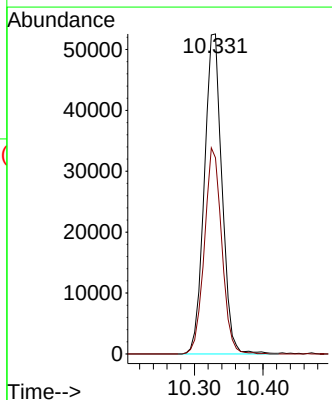
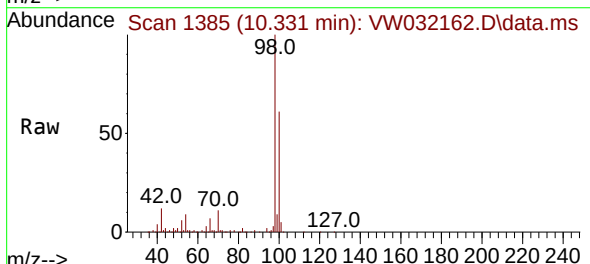
Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.9	125.9
192	17.7	14.6	21.8

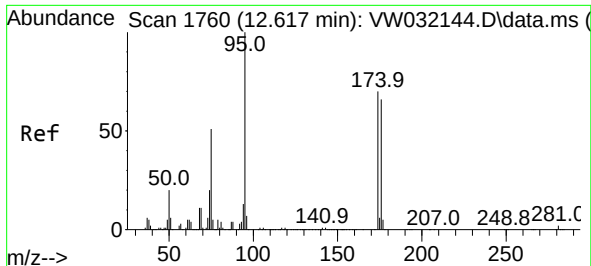


#50
 Toluene-d8
 Concen: 43.070 ug/l
 RT: 10.331 min Scan# 1385
 Delta R.T. 0.006 min
 Lab File: VW032162.D
 Acq: 28 Aug 2025 15:52

Tgt Ion: 98 Resp: 94212

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.4	77.2

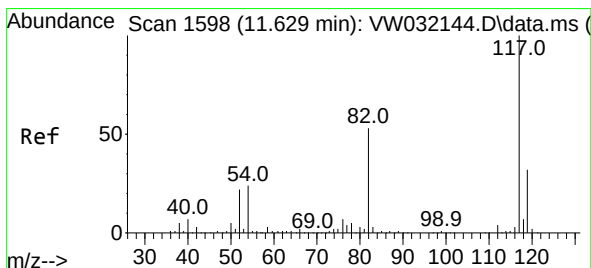
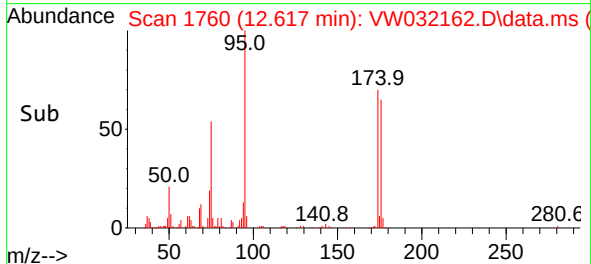
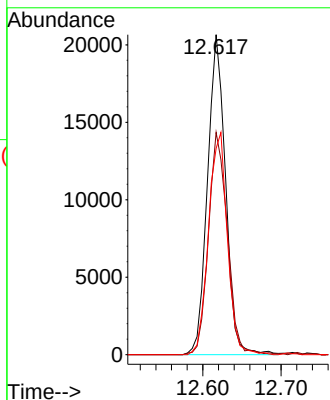
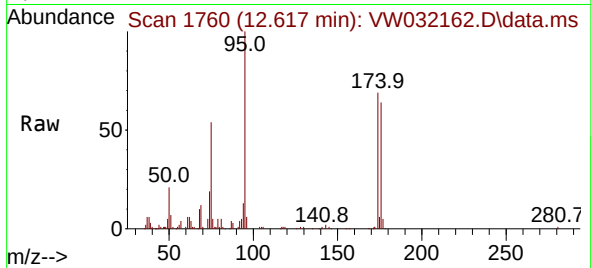




#62
4-Bromofluorobenzene
Concen: 40.736 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 15:52

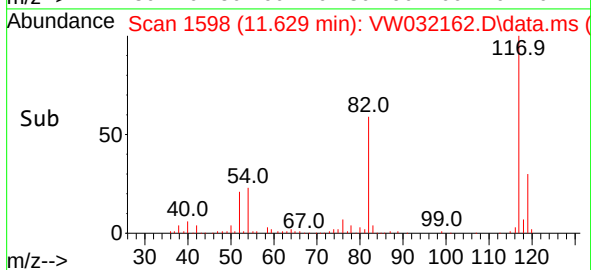
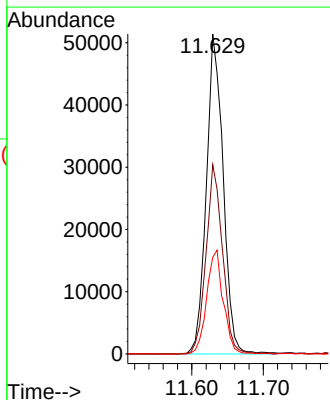
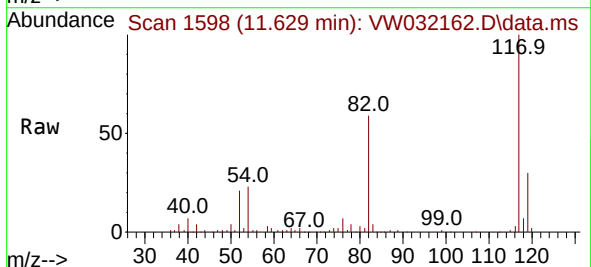
Instrument :
MSVOA_W
ClientSampleId :
OK-01-082825

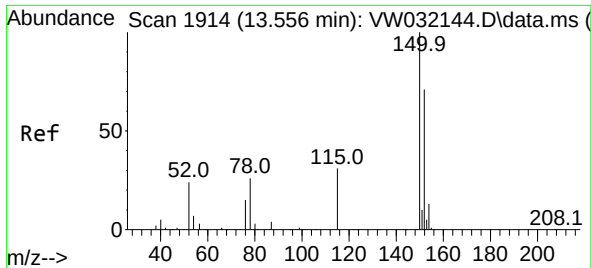
Tgt Ion:	95	Resp:	32950
Ion Ratio	Lower	Upper	
95	100		
174	73.2	0.0	145.6
176	72.7	0.0	140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 15:52

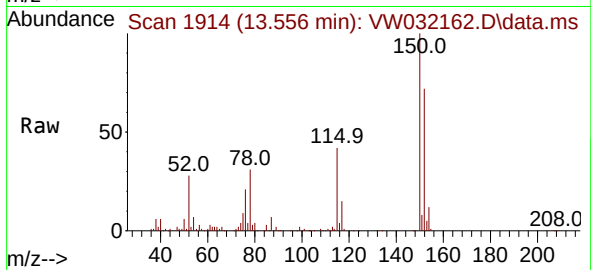
Tgt Ion:	117	Resp:	84073
Ion Ratio	Lower	Upper	
117	100		
82	59.2	42.7	64.1
119	30.2	25.2	37.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032162.D
 Acq: 28 Aug 2025 15:52

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-082825



Tgt Ion:	152	Resp:	37826
Ion Ratio	Lower	Upper	
152	100		
115	63.0	31.8	95.4
150	159.3	0.0	343.0

